

### ABSTRACT OF THE DISCLOSURE

A modem that includes a configuration domain name associated with a configuration Broadband Service Node (BSN) is firstly provided. A PPPoE session is established, and an authentication request is transmitted, containing the identifier  
5 and a generic password, from the modem to a single configuration domain name over the PPPoE network. Authorization is then received from the configuration domain name. The authorization preferably comprises a temporary dynamic Internet Protocol (IP) address. Full configuration details, including a static IP address, are then obtained from an Internet Service Provider (ISP). The invention also provides a  
10 system and computer program product for provisioning broadband service in a Point-to-Point Protocol Over Ethernet (PPPoE) network. (109 words)